

Sanitization of Equipment with Direct Animal Contact

Title: Sanitation of Equipment with Direct Animal Contact	Resp. Office: LACU	Effective Date: 12/15/21
Category: LACU	Last Review: New	Next Review: 12/15/24
Contact: LACU Director	☎ (901)448-5656	✉ lacu@uthsc.edu
Related Policies: Decontamination of Equipment and Supplies Entering an Animal Facility		

PURPOSE: To describe the procedures for adequately sanitizing rodent anesthetic induction chambers or other commonly used items with direct animal surface contact.

RESPONSIBILITIES: Investigators are responsible for following this Standard Operating Procedure (SOP), which includes a verified method for sanitizing rodent anesthetic induction chambers or other commonly used items with direct animal surface contact and maintaining the sanitation efficacy form attached to this SOP in lab spaces where equipment is maintained.

DIRECTIONS:

- A. Don appropriate PPE for the task (e.g., gloves and eye protection).
- B. After using a rodent induction chamber or other commonly used plastic items with direct animal surface contact, clean the item by discarding and removing all visible soil within and on the item.
- C. Use hot water and soap with a scrubber (sponge, scrub brush, disposable towel) and manually clean all surfaces.
- D. Validated disinfectant/sanitizing solutions, concentrations and contact times are listed in the table below, which indicates the amount of bleach to add to a 32 oz. or 946 mL bottle of water. **Never use alcohol to clean induction chambers as the plastic will crack.**
- E. Make fresh bleach solution daily. Bleach rapidly degrades in the presence of light and when mixed with water. Bleach solutions should be stored in labeled, opaque containers.
- F. If applicable, check the expiration date on the disinfectant/sanitizing agent. **NEVER use disinfectant solutions that are expired.**
- G. Spray all surfaces with an approved disinfectant solution. Allow the disinfectant to remain on the surface for the contact time required.
- H. After disinfection with bleach solutions, surfaces should be rinsed and dried. Bleach can be irritating to skin and mucous membranes, so any residue should be removed prior to returning animals to the environment. No rinse is required for Peroxigard.

Agent	Amount of Water	Amount of Bleach	Contact Time	Expiration	Rinse Needed?
Chlorine Bleach	32oz.or 946 mL spray bottle	2.5 mL, 8.25% Sodium Hypochlorite	2 min	Make daily	Yes
Chlorine Bleach	32oz.or 946 mL spray bottle	30 mL, 8.25% Sodium Hypochlorite	5 min	Make daily	Yes
Peroxigard Ready to use	None	None	1 min	As labeled	No
Alcohol	DO NOT USE				

Sanitation Efficacy Form

Quality Assurance Statement: On 11/2/21, a soiled rodent anesthetic induction chamber was sanitized using each sanitizing agents listed in this SOP. Swabs were collected from surfaces within and on the chamber and ATP testing was completed using a Charm Sciences Novalum Luminometer. Relative Light Unit (RLU) measurements were determined to be zero (0) proving that the methods used were efficacious. (CI)

The equipment with direct animal surface contact (listed below) has been sanitized using these methods which have been determined to be efficacious in removing microbial agents.

Principle Investigator: _____

Responsible Point of Contact: _____

E-mail/Phone Number: _____

Equipment: _____

Location of equipment: _____

Building: _____

Room: _____

Disinfectant Tested: _____